

Total No. of Pages : 2

63112

First B.P.T.H. (2012) Examination, (Phase - III) Winter - 2023
HUMAN PHYSIOLOGY

Total Marks : 80

Total Duration : 3 Hours

- Instructions :
- 1) Use black ball point pen only.
 - 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

SECTION "A" SAQ (50 Marks)

1. Short answer question (Solve any 5 out of 6):

[5×3=15]

- a) Define Synapse. Enumerate any 6 properties of synapse.
- b) Explain Baroreceptor reflex mechanism.
- c) Define Law of Gut. What are the principal movements seen in GIT?
- d) Give composition and functions of blood.
- e) Draw a neat & labeled diagram of Neuromuscular Junction. Add a note on myasthenia gravis.
- f) Define Homeostasis. Add a note on Negative feedback mechanism.

N - 6048

P.T.O.

63112
[5×7=35]

2. Short answer question (Solve any 5 out of 6):

- a) Describe functions of Cerebellum.
- b) Describe Ovarian Cycle.
- c) Describe the withdrawal & crossed extensor reflexes in spinal cord.
- d) Define erythropoiesis. Explain stages of erythropoiesis.
- e) Give physiological actions of thyroid hormones.
- f) Define cardiac output. Explain the factors affecting cardiac output.

SECTION "B" LAQ (30 Marks)

3. Long answer question (Solve any 1 out of 2):

[1×15=15]

- a) Describe Cardio-respiratory changes during various phases of exercise.
- b) Draw & Describe the oxygen hemoglobin dissociation curve. State the significance of its sigmoid shape. Describe briefly the factors affecting the shift in curve.

4. Long answer question (Solve any 1 out of 2):

[1×15=15]

- a) Define Resting membrane potential (RMP). Explain genesis of RMP. Why RMP is close to the equilibrium potential of K^+ ions?
- b) Define Circulatory Shock. What are the other types of shock? Describe compensatory mechanisms in Circulatory Shock.

First B.P.TH. (2012) Examination, Winter - 2022
HUMAN PHYSIOLOGY

Total Duration : 3 Hours

Total Marks : 80

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

SECTION "A" SAQ (50 Marks)

1. Short answer question (**any five** out of six) : [5 × 3 = 15]
 - a) Positive feed - back mechanism.
 - b) Constituent of Pancreatic juice.
 - c) Factors affecting Glomerular Filtration Rate.
 - d) Functions of middle ear.
 - e) Myxedema.
 - f) Primary active transport.

2. Short answer question (**any five** out of six) : [5 × 7 = 35]
 - a) Origin & Spread of cardiac impulse.
 - b) Oxygen dissociation curve.
 - c) Cardio - respiratory changes during moderate exercise.

- d) ECG as seen in Lead II.
- e) Anti Diuretic Hormone.
- f) Describe left ventricular pressure and volume changes during cardiac cycle.

SECTION "B" LAQ (30 Marks)

3. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Draw a neat, labelled diagram of Neuro Muscular junction. Describe the process of neuromuscular transmission. Add a note on myasthenia gravis.
 - b) Define blood pressure. Describe the determinants of blood pressure. Describe the long term regulation of blood pressure.
4. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Enumerate the descending tracts. Describe the Pyramidal tract. What are the effects of its lesion at various levels?
 - b) What are the functions of spinal cord? Describe the stages of spinal shock. Add a note on Brown Sequard syndrome.



[Total No. of Pages : 2

63112



First B.P.TH. (2012) Examination, Winter - 2022

HUMAN PHYSIOLOGY

Total Duration : 3 Hours

Total Marks : 80

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

SECTION "A" SAQ (50 Marks)

1. Short answer question (**any five** out of six) : [5 × 3 = 15]
 - a) Positive feed - back mechanism.
 - b) Constituent of Pancreatic juice.
 - c) Factors affecting Glomerular Filtration Rate.
 - d) Functions of middle ear.
 - e) Myxedema.
 - f) Primary active transport.

2. Short answer question (**any five** out of six) : [5 × 7 = 35]
 - a) Origin & Spread of cardiac impulse.
 - b) Oxygen dissociation curve.
 - c) Cardio - respiratory changes during moderate exercise.

- d) ECG as seen in Lead II.
- e) AntiDiureticHormone.
- f) Describe left ventricular pressure and volume changes during cardiac cycle.

SECTION "B" LAQ (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Draw a neat, labelled diagram of Neuro Muscular junction. Describe the process of neuromuscular transmission. Add a note on myasthenia gravis.
 - b) Define blood pressure. Describe the determinants of blood pressure. Describe the long term regulation of blood pressure.
4. Long answer question (any one out of two) : [1 × 15 = 15]
- a) Enumerate the descending tracts. Describe the Pyramidal tract. What are the effects of its lesion at various levels?
 - b) What are the functions of spinal cord? Describe the stages of spinal shock. Add a note on Brown Sequard syndrome.





**First B.P.TH. (2012) Examination, (Phase - III) Winter - 2021
HUMAN PHYSIOLOGY - II**

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary,
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION-"A" SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
 - a) Sodium-potassium pump.
 - b) Strength-Duration curve.
 - c) Function of Surfactant.
 - d) Heart sounds.
 - e) Physiological actions of Oxytocin.
 - f) Colour blindness.

2. Short answer question (any five out of six) : [5 × 7 = 35]
 - a) Spike potential.
 - b) Sarcotubular system.
 - c) Respiratory membrane.

- d) Origin & spread of cardiac impulse.
- e) Describe factors affecting Glomerular filtration.
- f) Hormonal regulation of menstrual cycle.

SECTION-"B" LAQ (30 Marks)

3. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Enumerate properties of nerve. Describe production & conduction of nerve impulse. [3 + 12]
 - b) Describe the properties of skeletal muscle & add a note on structure of sarcomere. [12 + 3]
4. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) Describe dorsal column medical lemniscus system with a well labeled diagram. Name the sensations carried by this pathway. [12 + 3]
 - b) Give the structure of synapse. Give detail about synaptic transmission & enumerate its properties. [5 + 7 + 3]



[Total No. of Pages : 2

63112

First BPTH (2012) Examination, Summer
(Phase - III All Other Remaining UG/PG Courses) - 2020

HUMAN PHYSIOLOGY - II

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION - "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
- a) Functions of blood.
 - b) Ovulatory phase of menstrual cycle.
 - c) Gigantism.
 - d) Structure of Cell membrane.
 - e) Regulation of thyroid hormone secretion.
 - f) Presbiopia.

112 15 14 2 5 12 14 12
63112

[5 × 7 = 35]

2. Short answer question (any five out of six) :

- a) Oxygen debt.
- b) Respiratory adaptations to exercise.
- c) Strength duration curve.
- d) Renin angiotensin system.
- e) Oxygen - Hb dissociation curve.
- f) Lead II ECG.

SECTION - "B" LAQ (30 Marks)

3. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Describe sarcotubular system. What is excitation - contraction coupling?
- b) Describe properties of skeletal muscle fiber.

4. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Describe lateral spinothalamic tract.
- b) Describe synaptic transmission in CNS. Enumerate properties of synapse.



First BPTH (2012) Examination, Summer (Phase - II) - 2019
HUMAN PHYSIOLOGY - II

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not write anything on the blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

Section - A SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
 - a) Enumerate the properties of cardiac muscle. Explain why cardiac muscle cannot be tetanised.
 - b) Micturation reflex.
 - c) Spermatogenesis.
 - d) Acromegaly.
 - e) Functions of WBCS.
 - f) Surfactant.

2. Short answer question (any five out of six): [5 × 7 = 35]
 - a) What is acclimatization? What are the changes occurring during acclimatization.
 - b) Enlist various mechanisms for the transport of substances across membrane. Describe one of them.

- c) Describe transmission of impulse across a synapse. What is IPSP.
- d) Describe the components and functions of basal ganglia. Describe Parkinson's disease.
- e) Brown Sequard syndrome.
- f) Define resting membrane potential. Explain ionic basis of R.M.P in a nerve fiber.

Section - B LAQ (30 Marks)

3. Long answer question (any one out of two): [1 × 15 = 15]
- a) Describe the process of oxygen transport from lungs to tissues.
 - b) Describe the events and pressure volume changes in cardiac cycle occurring in the ventricles.

4. Long answer question (any one out of two): [1 × 15 = 15]
- a) What is excitation-contraction coupling? Explain the role of calcium ions in this process.
 - b) Describe origin, course, termination and functions of pyramidal tracts.



First B.P.TH. (2012) Examination, Winter - 2022
HUMAN ANATOMY

Total Duration : 3 Hours

Total Marks : 80

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION - "A" (SAQ) (50 Marks)

1. **Short answer question (any five out of six) :** [5 × 3 = 15]
 - a) Enumerate the branches of external carotid artery.
 - b) Mention the structures forming the stomach bed.
 - c) Enumerate supports of the uterus.
 - d) Classification of synovial joints.
 - e) Histology of hyaline cartilage.
 - f) Features of medial wall of middle ear.
2. **Short answer question (any five out of six) :** [5 × 7 = 35]
 - a) Boundaries and contents of superior mediastinum.
 - b) Locking and unlocking of the knee joint.

- c) Popliteal fossa.
- d) Bronchopulmonary segments of left lung.
- e) Sternocleidomastoid muscle.
- f) Course, relations and branches of axillary nerve.

SECTION - "B" (LAQ) (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Describe Gluteus maximus muscle under the following heads :
 - i) Attachments
 - ii) Actions
 - iii) Nerve supply
 - iv) Structures under cover of gluteus maximus.
- b) Describe shoulder joint under the following heads :
 - i) Type and articular surfaces
 - ii) Fibrous capsule and ligaments
 - iii) Movements and muscles producing movements
 - iv) Applied anatomy.

4. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Describe the glossopharyngeal nerve under the following heads:
 - i) Functional components and nuclei
 - ii) Course and relations
 - iii) Branches and distribution
 - iv) Clinical anatomy.
- b) Describe cerebellum under the following heads :
 - i) External features
 - ii) Cerebellar nuclei
 - iii) Cerebellar peduncles and connections
 - iv) Functions
 - v) Clinical anatomy



[Total No. of Pages : 2

63111



First B.P.T.H. (2012) Examination, (Phase - III) Winter - 2021
HUMAN ANATOMY - I

Total Duration : 3 Hours

Total Marks : 80

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks.**
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION "A" SAQ (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
- a) Draw a well labelled diagram mediastenal surface left lung.
 - b) Write openings present in Right Atrium.
 - c) Write blood supply of Liver.
 - d) Anterior relations left kidney.
 - e) Rotator cuff shoulder joint.
 - f) Write applied anatomy of Facial nerve.

63111

2. Short answer question (any five out of six) :

[5 × 7 = 35]

- a) Write short note on functions of hypothalamus.
- b) Describe connections of Cerebellum.
- c) Nerve supply tongue.
- d) Describe in short important sulci and gyri of cerebrum.
- e) Enumerate and describe branches of Mandibular nerve.
- f) Describe course and termination of Sciatic nerve.

SECTION "B" LAQ (30 Marks)

3. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Describe elbow joint under
 - i) Type and articular surfaces
 - ii) Ligaments
 - iii) Relations
 - iv) Blood and Nerve supply
 - v) Applied anatomy.
- b) Describe cerebellum under
 - i) Morphology
 - ii) Nuclei
 - iii) Connections
 - iv) Functions
 - v) Applied.

4. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Describe Hip joint under
 - i) Type and articular surfaces
 - ii) Ligaments
 - iii) Relations
 - iv) Blood and Nerve supply
 - v) Applied anatomy.
- b) Describe Hypoglossal nerve with applied anatomy in detail.

ॐॐॐ

20
14
10
99

[Total No. of Pages : 2

63111

First B.P.Th. (2012) Examination, Winter - 2020
HUMAN ANATOMY

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion** of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All** questions are **compulsory**.
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw **diagrams** **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all** sections.

SECTION - A (SAQ) (50 Marks)

1. Short answer question (any five out of six) : [5 × 3 = 15]
- a) Write Blood supply of liver.
 - b) Enumerate structures present in Right Atrium.
 - c) Enumerate structures present in superior mediastinum.
 - d) Enumerate relations of Right Kidney.
 - e) Write blood supply of testis.
 - f) Write any 3 point of differentiation between Right and Left Lungs.

63111

[5 × 7 = 35]

2. Short answer question (any five out of six) :

- a) Enumerate structures under cover of Deltoid muscle.
- b) Enumerate contents of femoral triangle.
- c) Enumerate muscular boundaries of carotid triangle.
- d) Write nerve supply and action of Trapezius muscle.
- e) Write short note on supination and pronation.
- f) Medial longitudinal arch of foot.

SECTION - B (LAQ) (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Describe the shoulder joint in details.
- b) Describe movements of mandible and muscles producing it.

4. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Describe parts, fibers and functions of internal capsule.
- b) Describe Course, relations and branches of facial nerve.



[Total No. of Pages : 3

63111

**First BPTH (2012) Examination, Summer
(Phase - III All Other Remaining UG/PG Courses - 2020)
HUMAN ANATOMY - I**

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION - "A" SAQ (50 Marks)

1. Short answer question (any five out of six) :

[5 × 3 = 15]

- a) Auxillary Nerve.
- b) Lymphatic drainage of stomach.
- c) Enumerate branches of femoral artery.
- d) Draw and label 'Typical Synovial Joint'.
- e) Enumerate muscles of tongue.
- f) The Biceps Brachii muscle.

63111

2. Short answer question (any five out of six) : [5 × 7 = 35]

- a) Muscles of mastication.
- b) Inversion and Eversion.
- c) T.S. of midbrain at the level of superior colliculus.
- d) Auxilla - Boundaries, Contents and applied anatomy.
- e) Interior of right atrium.
- f) Typical intercoastal space.

SECTION - "B" LAQ (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]

a) Describe the wrist joint under the following headings :

- i) Type and Articular surfaces [3]
- ii) Ligaments. [3]
- iii) Movements & Muscles. [6]
- iv) Applied Anatomy. [3]

b) Describe the Hip joint under the following headings :

- i) Type and subtype. highly stable jt. [1]
- ii) Articular surfaces. glenoidal labrum, acetabulum [2]
- iii) Ligaments. Capsular, transv., ischiofem., Pubo [3]
? lig end 2 glenoidal labrum
- iv) Movements & Muscles. [6]
- v) Applied Anatomy. [3]

Coxa vara
Coxa valgus

4. Long answer question (any one out of two):

[1 × 15 = 15]

a) Describe the Superolateral surface of cerebral hemisphere under the following headings:

i) Sulci and gyri. [5]

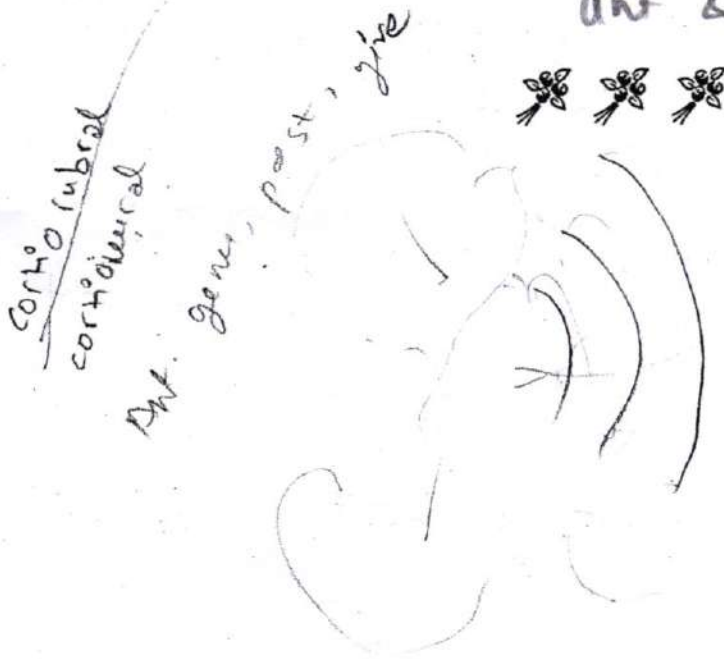
ii) Functional areas. [5]

iii) Blood Supply. — Carotid artery which arise at the point in neck where common carotid arteries bifurcate & vertebral arteries. [3]

iv) Applied Anatomy. [2]

b) Describe the internal capsule and add a note on its applied anatomy.

The int. carotid arteries branch form. 2 major cerebral arteries ant & middle cerebral arteries [15]





[Total No. of Pages : 2

63111

First BPTH (2012) Examination, Summer (Phase - II) - 2019
HUMAN ANATOMY - I

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for all sections.

Section - A SAQ (50 Marks)

1. Short answer question (**any five** out of six) : [5 × 3 = 15]
 - a) Pneumatic bone.
 - b) Guy rope muscles.
 - c) Bare areas of liver.
 - d) Sternocleidomastoid muscle.
 - e) Mention joints and muscles involving inversion and eversion of foot.
 - f) Enumerate Carpal bones.

2. Short answer question (**any five** out of six): [5 × 7 = 35]
 - a) Carotid triangle.
 - b) Carpal tunnel syndrome.
 - c) Locking and unlocking of knee joint.
 - d) Right coronary artery.
 - e) Types of sulci of cerebral hemisphere with examples of each.
 - f) Deltoid muscle.

Section - B LAQ (30 Marks)

3. Long answer question (any one out of two) : [1 × 15 = 15]

- a) Describe Arches of foot under heading of
- Classification of arches
 - Maintenance of arches
 - Clinical anatomy
- b) Describe Shoulder joint under heading of
- Classification
 - Ligaments
 - Movements and muscle producing movements
 - Blood and Nerve supply
 - Clinical anatomy

4. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Describe cerebellum under the heading of
- External features
 - Connections and functions
 - Clinical anatomy
- b) Describe Glossopharyngeal nerve under the heading of
- Extracranial course with diagram
 - Enumerate functional components and nuclei
 - Branches and distribution
 - Clinical anatomy

▽▽▽▽